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1 [Performance evaluation of video streaming with background traffic over IEEE 802.11 WLAN networks](#)

[Nicola Cranley, Mark Davis](#)

October 2005 **WMuNeP '05: Proceedings of the 1st ACM workshop on Wireless multimedia networking and performance modeling**

**Publisher:** ACM [Request Permissions](#)

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There is an increasing demand for multimedia streaming applications over WLAN networks. MPEG-4 and H.264 are compression standards targeted at high-quality streamed multimedia services over wireless best-effort IP networks. However, the dynamic nature ...

**Keywords:** MPEG-4 encoding, WLAN, performance evaluation, video streaming

2 [Communications of the ACM: Volume 52 Issue 6](#)

June 2009 [Communications of the ACM](#)

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3 [Communications of the ACM: Volume 51 Issue 4](#)

April 2008 [Communications of the ACM](#)

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#### 4 [Visualizing geospatial data](#)



Theresa Marie Rhyne, Alan MacEachren, Theresa-Marie Rhyne

August 2004

**SIGGRAPH '04:** SIGGRAPH 2004 Course Notes

**Publisher:** ACM

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Full text available: Pdf (14.01 MB)

Additional Information: [full citation](#), [abstract](#)

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This course reviews concepts and highlights new directions in GeoVisualization. We review four levels of integrating geospatial data and geographic information systems (GIS) with scientific and information visualization (VIS) methods. These include: • ...

#### 5 [Communications of the ACM: Volume 52 Issue 7](#)



July 2009

Communications of the ACM

**Publisher:** ACM

Full text available: Digital Edition , Pdf (7.61 MB)

Additional Information: [full citation](#)

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#### 6 [Intelligent storage: Cross-layer optimization for soft real-time workload](#)



Youjip Won, Hyungkyu Chang, Jaemin Ryu, Yongdal Kim, Junseok Shim

August 2006

**Transactions on Storage (TOS)** , Volume 2 Issue 3

**Publisher:** ACM

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Full text available: Pdf (1.45 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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In this work, we develop an intelligent storage system framework for soft real-time applications. Modern software systems consist of a collection of layers and information exchange across the layers is performed via well-defined interfaces. Due to the ...

**Keywords:** Intelligence, autonomic computing, boosting, cross layer optimization, file system, machine learning, multimedia, storage

#### 7 [Energy conservation techniques for disk array-based servers](#)



Eduardo Pinheiro, Ricardo Bianchini

June 2004

**ICS '04:** Proceedings of the 18th annual international conference on Supercomputing

**Publisher:** ACM

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Full text available: Pdf (174.29 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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In this paper, we study energy conservation techniques for disk array-based network servers. First, we introduce a new conservation technique, called Popular Data Concentration (PDC), that migrates frequently accessed data to a subset of the disks. The ...

**Keywords:** disk power, energy conservation, network servers

8 [Communications of the ACM: Volume 51 Issue 10](#)



October 2008

Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#) ,  [Pdf](#) (7.16 MB)

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